

Appendix A

Allowed claims in corresponding Japanese application

1. DNA encoding ferric-chelate reductase FRE1, wherein the DNA encodes amino acid sequence identical to yeast derived ferric-chelate reductase FRE1 gene, and wherein base sequence thereof are modified so as not to comprise AATAAA sequence as well as sequences substituted any one base to other base of said sequence, i.e. NATAAA, ANTAAA, AANAAA, AATNAA, AATANA or AATAAN, and so as not to comprise 8 or more consecutive sequences of only G or T.
2. The DNA according to claim 1, wherein furthermore G and C content is constant throughout the entire region and a modification is performed so as not to comprise also ATTTA sequence.
3. The DNA according to claim 1 or 2, wherein said modification is performed based on a codon usage of the plant to be transformed.
4. The DNA according to claim 3, wherein the DNA has a base sequence of SEQ ID NO: 1.
5. A method for producing transgenic plant having ferric-chelate reductase activity, wherein transformation of plants is performed by using the DNA according to any one of claims 1-4,
6. A transformed plant having ferric-chelate reductase activity, which can be produced by the method according to claim 5.
7. The plant according to claim 6, wherein the plant is seed.
8. The plant according to claim 6 or 7, wherein the plant is a progeny of which at least one parent is the transformed plant according to claim 6.